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**PATENT APPLICATION**  
**HP Ref. 10014356-1**

In the  
**United States Patent and Trademark Office**

**Inventor(s):** Bartley M. Hirst et al.

**Confirmation No.:** 5138

**Serial No.:** 10/674,415

**Examiner:** Ryan M. Gleitz

**Filing Date:** Oct. 1, 2003

**Group Art Unit:** 2852

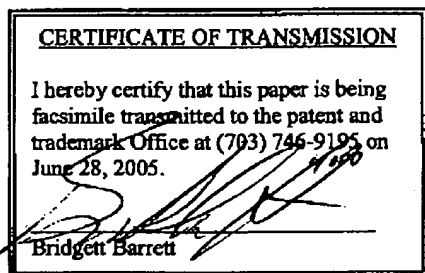
**Title:** Power Control System For Fusing System With External Heater

**Commissioner for Patents**  
**Washington, DC 20231**

**REQUEST FOR CORRECTION OF FILING RECEIPT**

Attached is a copy of the official filing receipt (Exhibit A) from the PTO in the above-referenced application for which issuance of a corrected filing receipt is respectfully requested.

The correct title is "Power Control System For Fusing System With External Heater" as can be seen from the attached transmittal letter and copy of the first page of the application as filed.

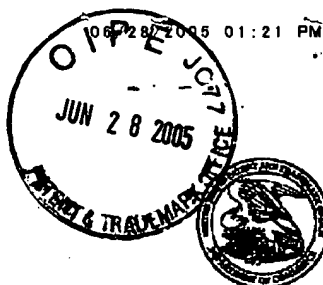


Respectfully submitted,

Bartley M. Hirst, et al.

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**SEND ALL CORRESPONDENCE TO:**  
Intellectual Property Administration, M/S 35  
Legal Department  
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APPL. NO.	FILING OR 371 (c) DATE	ART UNIT	FL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/874,415	10/01/2003	2852	1004	10014358-1	4	33	2

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CONFIRMATION NO. 5138

FILING RECEIPT



\*OC000000011548968\*

Date Mailed: 12/22/2003

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Bartley Mark Hirst, Boise, ID;  
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Mark John Wibbels, Boise, ID;

Assignment For Published Patent Application  
HEWLETT-PACKARD COMPANY;

Domestic Priority data as claimed by applicant

Foreign Applications

If Required, Foreign Filing License Granted: 12/20/2003

Projected Publication Date: 04/07/2005

Non-Publication Request: No

Early Publication Request: No

Title

Power control system for using system with external heater

**Preliminary Class**

399

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Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

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Atty. Dkt. No. 10014356-1



## **POWER CONTROL SYSTEM FOR FUSING SYSTEM WITH EXTERNAL HEATER**

### **BACKGROUND OF THE INVENTION**

[0001] Reproduction apparatus, such as electrostatographic copier/duplicators, printers or the like often employ a fuser apparatus for forming an image on an image medium. One type of fuser apparatus includes a heated fuser roller and pressure roller system for fusing a developed image on a medium passing between the fuser and pressure roller. Typically, the heated fuser roller is heated using a heater internal to the roller. The pressure roller may or may not be heated.

[0002] Fusing systems using an external heater roller for heating a fuser roller are also known. For example, U.S. Patent Nos. 6,016,410, 6,289,185 and 6,304,740 all disclose a fuser roller, pressure roller and a heating roller external to and in contact with the fuser roller to apply heat to the fuser roller.

### **BRIEF DESCRIPTION OF THE DRAWINGS**

[0003] Figure 1 is a schematic illustrating a fusing system according to an exemplary embodiment of the invention.

[0004] Figures 2A and 2B are a flow diagram illustrating a method of controlling temperature for a fusing system according to an exemplary embodiment of the invention.

[0005] Figure 3 is a circuit diagram illustrating a control circuit of a fusing system according to an exemplary embodiment of the invention.

PTO

IN THE U.S. PATENT AND TRADEMARK OFFICE  
Patent Application Transmittal Letter

Mail Stop Patent Application  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing under 37 CFR 1.53(b) is a(n): ☒ Utility ☐ Design  
☐ original patent application,  
☐ continuation-in-part application

INVENTOR(S): Bartley Mark HIRST et al.

TITLE: POWER CONTROL SYSTEM FOR FUSING SYSTEM WITH EXTERNAL HEATER

Enclosed are:

- (X) The Declaration and Power of Attorney. ☒ signed ☐ unsigned or partially signed  
(X) 4 sheets of drawings (one set) ☐ Associate Power of Attorney  
( ) Form PTO-1449 ☒ Information Disclosure Statement and Form PTO-1449  
( ) Priority document(s) ☒ (Other) App. Data Sheet, Fee Increase (fee \$ 20.00)

CLAIMS AS FILED BY OTHER THAN A SMALL ENTITY				
(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) TOTALS
TOTAL CLAIMS	33 — 20	13	X \$18	\$ 234
INDEPENDENT CLAIMS	2 — 3	0	X \$84	\$ 0
ANY MULTIPLE DEPENDENT CLAIMS	0		\$280	\$ 0
BASIC FEE: Design ( \$330.00 ); Utility ( \$750.00 )				\$ 750
TOTAL FILING FEE				\$ 984
OTHER FEES				\$ 20
TOTAL CHARGES TO DEPOSIT ACCOUNT				\$ 1,004

Charge \$ 1,004 to Deposit Account 08-2025. At any time during the pendency of this application, please charge any fees required or credit any over payment to Deposit Account 08-2025 pursuant to 37 CFR 1.25. Additionally please charge any fees to Deposit Account 08-2025 under 37 CFR 1.16 through 1.21 inclusive, and any other sections in Title 37 of the Code of Federal Regulations that may regulate fees. A duplicate copy of this sheet is enclosed.

"Express Mail" label no. \_\_\_\_\_

Date of Deposit \_\_\_\_\_

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, Alexandria, VA 22313-1450.

By \_\_\_\_\_

Typed Name:

Respectfully submitted,

Bartley Mark HIRST et al.

By \_\_\_\_\_

William T. Ellis

Attorney/Agent for Applicant(s)

Reg. No. 26,874

Date: October 1, 2003

Telephone No.: (202) 672-5300

031147 U.S. PTO  
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